

DAFTAR PUSTAKA

- Alamoudi, O.S.B., 2000. Hypomagnesaemia in chronic, stable asthmatics: prevalence, correlation with severity and hospitalization , *Eur Respir J*,16,427-31
- Alamoudi, O.S.B., 2001. Electrolyte disturbances in patients with chronic, stable asthma effect of therapy, *Chest*,120,431-6
- Allegra, L., Blasi, F., Centannini, S., Denti, F., Raccanelli, R., Tarsia, P., *et al.*, 1994. Acute exacerbations of asthma in adults: role of *Chlamydia pneumoniae* infection. *Eur Respir J*;7,2165-2168
- Alter, H.J., Koepsell, T.D., Hilty, W.M., 2000. Intravenous magnesium as an adjuvant in acute bronchospasm: a meta-analysis. *Ann Emerg Med*;36:191-197
- Barnes, P.J., 1995. Inhaled Glucocorticoids for asthma, *NEJM*,322,13,868-75
- Barr, G.R., Woodruff, P.G., Clark, S., Camargo, C.A. Jr, 2000. Sudden-onset asthma exacerbations: clinical features, response to therapy, and 2-week follow-up. *Eur Respir J*;15:266-273
- Beasley, R., Coleman, E.D., Hermon, Y., 1988. Viral respiratory tract infection and exacerbations of asthma in adult patients, *Thorax*, 43:679-83.
- Bessmertny, O., DiGregorio, R.V., Cohen, H., Beker, F., Looney, D., Golden, J., Johnson, T., 2002. A randomized clinical trial of nebulized magnesium sulfate in addition to albuterol in the treatment of acute mild-to-moderate asthma exacerbations in adults. *Ann Emerg Med*;39,585-591
- Bloch, H., Silverman, R., Mancherje, N., Grant, S., Jagminas, L., dan Scharf, S.M., 1995. Intravenous magnesium sulfate as an adjunct in the treatment of acute asthma, *Chest*, 107, 1576-81
- Bodenhamer, J., Bergstrom, R., Brown, D., 1992. Frequently nebulized Beta agonists for asthma: effects on serum electrolyte, *Ann Emerg Med* , 21:1337-42
- Bummroongkit,, C., dan Charoenpan, P., 2001. Serum magnesium levels in acute severe asthma, *Chiang Mai Med Bull*, 40(1), 1-5
- British Thoracic Society*. 2003. Guidelines on the management of asthma: management of acute asthma. *Thorax*;58,i32-i50
- Canadian Asthma Consensus Report*, 1999. Management of patients with asthma in the emergency department and in hospital. *Can Med Assoc J*;161(Suppl),S53-S59
- Carruthers, D.M., dan Harrison, B.D.W., 1995. Arterial blood gas analysis or oxygen saturation in the assessment of acute asthma? *Thorax*;50,186-188
- Chien, J.W., Ciuffo, R., Novak, R., Skowronski, M., Nelson, J., Coreno, A., *et al.*, 2000. Uncontrolled oxygen administration and respiratory failure in acute asthma. *Chest*;117,728-733
- Cydulka, R.K., McFadden, E.R., Sarver, J.A., dan Emerman, C.L., 2002. Comparison of single 7.5-mg dose treatment vs sequential multidose 2.5-mg

- treatments with nebulized albuterol in the treatment of acute asthma. *Chest*;122,1982-1987
- Dadhich, P., Lokendra, D., Gupta, R. C., Gupta, N., 2003. Magnesium Sulphate nebulization in acute severe asthma, from: [http://meeting Chest Journal. Org/cgi/content/abstract/124/4/1075](http://meeting.ChestJournal.Org/cgi/content/abstract/124/4/1075)
- Dekker, F.W., Schrier, A.C., Sterk, P.J., dan Dijkman, 1992. Validity of peak expiratory flow measurement in assessing reversibility of airflow obstruction, *Thorax*, 47, 162-166
- Dube, L., dan Granry, C., 2003. The therapeutic use of magnesium in anesthesiology, intensive care and emergency medicine: a review, *Can J Anesth*, 50(7), 732-46
- Dominguez, L.J., Barbagallo, M., Di Lorenzo, G., Drago, A., Scola, S., Morici, G., and Caruso, C., 1998. Bronchial reactivity and intracellular magnesium : a possible mechanism for the bronchodilating effects of magnesium in asthma, *Clinical Science* , 95, 137-42
- Emelyanov, A., Fedoseev, G., Barnes, P.J., 1999. Reduced intracellular magnesium concentrations in asthmatic patients, *Eur Respir J*, 13,38-40
- Emerman, C.L., Cydulka, R.K., McFadden, E.R. Jr, 1999. Comparison of 2.5 vs 7.5mg of inhaled albuterol in the treatment of acute asthma. *Chest*;115:92-96
- Fawcett, W.J., Haxby, E.J., and Male, D.A., 1999. Magnesium: physiology and pharmacology, *Br J Anaesth*,83,302-20
- FitzGerald, JM, Grunfeld, A., Pare, P.D., Levy, R.D., Newhouse ,M.T., Hodder, R., Chapman, K.R., 1997. Canadian Combivent Study Group. The clinical efficacy of combination nebulized anticholinergic and adrenergic bronchodilators vs. nebulized adrenergic bronchodilator alone in acute asthma. *Chest*;111:311-315
- Garmon, R.G., dan Zemenick, R.B., 1992. Acute severe asthma: Part 1 . Pathophysiology and clinical assessment, *J of the Americ Osteopathic Assoc*, 92,219
- Gem,J.E., dan Busse ,W.W., 2000. The role of viral infections in the natural history of asthma , *J Allergy Clin Immunol* 106:201-12
- GINA, 2002, Global strategy for asthma management and prevention. NIH Publication 02-3659 Available at: <http://www.ginasthma.com>
- Gustafson, T., Boman, K., Rosenhall, Sandstrom, T., Wester, P.O. , 1996. Skeletal muscle magnesium and potassium in asthmatics treated with oral Beta 2 agonists , *Eur Respir J*, 9, 237-40
- Hart, S.P., 2000. Should aminophylline be abandoned in the treatment of acute asthma in adults?, *Q J Med*, 93, 761-5
- Hisyam, B., Sumardi, Saleh, Y.D., Sigit, B., Budiono, E., 2004. Penanganan asma eksaserbasi dalam Prosedur Kerja Tetap SMF Paru, Komite Medik RS Dr Sardjito Yogyakarta.

- Hoskins, G., McCowan, C., Neville, R.G., Thomas, G.E., Smith, B., Silverman, S., 2000. Risk factors and costs associated with an asthma attack. *Thorax*;55,19-24
- Hulley, B.S., Gove, S., Browner, W.S., and Cummings, R., 1998. Choosing the Study Subjects: Specification and Sampling, in: *Designing Clinical Research, An Epidemiologic Approach*. Williams & Wilkins Baltimore, USA, 18-30.
- Joseph, K.S., Blais, L., Ernst, P., Suissa, S., 1996. Increased morbidity and mortality related to asthma among asthmatics patients who use major tranquilizers. *BMJ*;312,79-82
- Kelly, A.M., McAlpine, R., Kyle, E., 2001. How accurate are pulse oximeters in patients with acute exacerbations of chronic obstructive airways disease? *Respir Med*;95,336-340
- Kepley, C.L., McFeeley, P.J., Oliver, J.M., Lipscomb, M.F., 2001. Immunohistochemical detection of human basophils in postmortem cases of fatal asthma. *Am J Respir Crit Care Med*;164:1053-1058
- Killian, K.J., Watson, R., Otis, J., Amand, T.A., dan Obyrne, P.M., 2000. Symptom perception during acute bronchoconstriction, *Am J Respir Crit Care Med*;162:490-6
- Kolbe, J, Fergusson, W, Garrett, 1998. Rapid onset asthma: a severe but uncommon manifestation. *Thorax*;53,241-247
- Kumar, S.D., Brieva, J.L., Danta, I., dan Wanner, A., 2000. Transient effect of inhaled fluticasone on airway mucosal blood flow in subjects with and without asthma. *Am J Respir Crit Care Med*;161,918-92
- Lemeshow, S., Hosmer, D.W., 1990. *Adequacy of sampel Size in Health Studies*, John Wiley & Sons, Chicester, p1-40
- Lin, R.Y., Smith, A.J., Hergenroeder, P., 1993. High serum albuterol levels and tachycardia in adult asthmatics treated with high-dose continuously aerosolized albuterol. *Chest*;103,221-225
- Mahajan, P., Haritos, D., Rosenberg, N., Thomas, R., 2004. Comparison of nebulized magnesium sulfate plus albuterol saline in children with acute exacerbations of mild to moderate asthma, *J Emerg Med*, 27(1), 21-5
- Mangat, H.S., D'Souza, G.A., Jacob, M.S., 1998. Nebulized magnesium sulphate versus nebulized salbutamol in acute bronchial asthma: a clinical trial. *Eur Respir J*;12,341-344
- Manthous, C.A., 2001. Lactic acidosis in status asthmaticus: three cases and review of the literature. *Chest*;119,1599-1602
- Marquette, C.H., Stach, B., Cardot, E, Bervar, J.F., Saulnier, F., Lafitte, J.J., 1995. High dose and low dose systemic corticosteroids are equally efficient in acute severe asthma, *Eur Respir J*, 8, 22-7
- Maury, E., Ioss, V., Lepecq, B, et al., 1997. A paradoxical effect of bronchodilators. *Chest*;111,1766-1767
- McFadden, E.R., 2003. Acute severe asthma, *Am J Respir Crit Care Med*;168,740-59

- McFadden, E.R. , 2005. Asthma, in Anthony S Fauci (eds): *Harrisons Principles of Internal Medicine*, 16th, Mc Graw-hill, 1508-16
- Miyashita, N., Kubota, Y., Nakjima, M., 1998. *Chlamydia pneumoniae* and exacerbations of asthma in adults. *Ann Allergy Asthma Immunol*;80,405-409
- Moloney, E., O'Sullivan, S., Hogan, T., Poulter, L.W., dan Burke, C.M. , 2002. Airway dehydration: a therapeutic target in asthma? *Chest*;121,1806-1811
- Nelson, H.S., 1995. B adrenergic bronchodilators, *NEJM*,333,6,499-506
- Nelson, H., Bensch, G., Pleskow, W.W., 1998. Improved bronchodilatation with levalbuterol compared with racemic albuterol in patients with asthma. *J Allergy Clin Immunol*;102,943-952
- Newman, K.B., Milne, S., Hamilton, C., dan Hall ,K., 2002. A comparison of albuterol administered by metered-dose inhaler and spacer with albuterol by nebuliser in adults presenting to an urban emergency department with acute asthma. *Chest*;121,1036-1041
- Nicholson, K.G., Kent, J.K., Ireland, D.C., 1993. Respiratory viruses and exacerbations of asthma in adults. *BMJ*;307,982
- Ordonez, C.L., Shaughnessy, T.E., Matthay, M.A., Fahy JV, 2000. Increased neutrophil numbers and IL-8 levels in airway secretions in acute severe asthma: clinical and biologic significance. *Am J Respir Crit Care Med*;161:1185–1190
- O'Sullivan, S., Cormican, L., Faul, J.L., Ichinohe, S., Johnston, S.L., Burke, C.M., Poulter, L.W., 2001. Activated, cytotoxic CD8⁺ T lymphocytes contribute to the pathology of asthma death. *Am J Respir Crit Care Med*;164:560–564
- Rasmin, M., Rogayah, R., Wihastuti, R., 2001. Prosedur tindakan bidang paru dan pernafasan Diagnostik &Terapi, Bagian Pulmonologi FKUI, 33-6
- Rodrigo, G., Rodrigo, C , 1997. A new index for early prediction of hospitalization in patients with acute asthma. *Am J Emerg Med*;15,8-13
- Rodrigo, G., Rodrigo C., 1997. C Effect of age on bronchodilator response in the acute asthma treatment. *Chest*;112,19-23
- Rodrigo, C., Rodrigo, G., 1998. Therapeutic response pattern to high and cumulative doses of salbutamol in acute severe asthma. *Chest*;113,593-59
- Rodrigo, G., Rodrigo, C., 1998. Inhaled flunisolide for acute severe asthma. *Am J Respir Crit Care Med*;157,698-703
- Rodrigo, G., Rodrigo, C., 1999. Early prediction of poor response acute asthma patients in the emergency department. *Chest*;114,1016-1021
- Rodrigo, G., Rodrigo, C., 1999. Corticosteroids in the emergency department therapy of acute adult asthma: an evidence-based evaluation. *Chest*;116,285-295
- Rodrigo, G.J., Rodrigo, C., 2000. First-line therapy for adult patients with acute asthma receiving a multiple-dose protocol of ipratropium bromida plus albuterol in the emergency department. *Am J Respir Crit Care Med*;161,1862-1868

- Rodrigo, G.J., Rodrigo, C., 2000. Rapid-onset asthma attack: a prospective cohort study about characteristics and response to the emergency department treatment. *Chest*;118,1547-1552
- Rodrigo, G., Rodrigo, C., Burschtin, O., 2000. Efficacy of magnesium sulfate in acute adult asthma: a meta-analysis of randomized trials. *Am J Emerg Med*;18:216-221
- Rodrigo, G.J., Rodrigo, C. , 2002. The role of anticholinergics in acute asthma treatment: an evidence-based evaluation. *Chest*;121,1977-1987
- Rodrigo, G.J, Rodrigo, C, 2002. Continuous vs intermittent β -agonists in the treatment of acute adult asthma: a sistematic review with meta-analysis. *Chest*;122,160-165
- Rodrigo, G.J., Rodrigo, C , 2003. Triple inhaled drug protocol for the treatment of acute severe asthma. *Chest*;123,1908-1915
- Rodrigo, G.J, Rodriguez, Verde, M., Peregalli, V, *et al.*, 2003. Effects of short-term 28% and 100% oxygen on arterial carbon dioxide tension and peak expiratory flow rate in acute asthma: a randomized trial. *Chest*;124,1312-1317
- Rodrigo, G.J., Rodrigo, C., dan Hall,,J.B., 2004. Acute asthma in adults a review, *Chest*, 125,1081-1102
- Rowe, H.B., Bota, G.W., Fabris, L., Therrien, S.A., Milner, R.A., and Jacono, J., 1999. Inhaled Budesonide in addition to oral corticosteroids to prevent asthma relapse following discharge from the emergency departement arandomized controlled trial, *JAMA*, 281, 2119-26
- Rowe, B.H., Bretzlaff, J.A., Bourdon, C., Bota, G.W., 2000. Intravenous magnesium sulfate treatment for acute asthma in the emergency department: a systematic review of the literature. *Ann Emerg Med* ; 36: 181-90
- Sastroasmoro, S., 1995. Pemilihan subyek Penelitian. Dalam : *Dasar-Dasar Metodologi Penelitian Klinis* , Penyunting Sastroasmoro S dan Ismael S , ed I, Bagian Ilmu Kesehatan Anak FK Universitas Indonesia ,Jakarta, 42-51
- Shim, C.S., Williams, M.H., 1983. Relationship of wheezing to the severity of obstruction in asthma. *Arch Intern Med*;143,890-892
- Silverman, R.A., Osborn, H., Runge, J., Gallagher, E.J., Chiang, W., Feldman, J., *et al.*, 2002. IV magnesium sulfate in the treatment of acute severe asthma: a multicenter randomized controlled trial. *Chest*;122,489-497
- Silverman, R.A., Boudreaus, E.D., Woodruff, P.G., Clark, S., dan Camargo, C.A., 2003. Cigarette smoking among asthmatic adults presenting to 64 emergency departments, *Chest*, 123,1472-1479
- Siroux,V., Pin, I., Oryszczyn, M.P., Moval, N.L., Kauffman, F., 2000. Relationships of active smoking to asthma and asthma severity in the EGEA study, *Eur Respir J*, 15, 470-477
- Smith, D.H., Malone, D.C., Lawson, K.A., Okamoto, L.J., Battista, C., dan Saunders, W.B., 1997. A national estimate of the economic costs of asthma. *Am J Respir Crit Care Med*;156,787-793

- Strauss, L, Hejal, R, Galan, G, *et al.*, 1997. Observations of the effects of aerosolized albuterol in acute asthma. *Am J Respir Crit Care Med*;155,545-548
- Tan, K.S., Grove, A., McLean, A., 1997. A systemic corticosteroid rapidly reverses bronchodilator subsensitivity induced by formoterol in asthmatic patients, *Am J Respir Care Med* , 156,28-35
- Teichtahl, H., Buckmaster, N., Pernikovs, 1997. The incidence of respiratory tract infection in adults requiring hospitalization for asthma, *Chest*,112,591-9
- Teeter, J.G., Bleecker, E.R., 1998. Relation between airway obstruction and respiratory symptoms in adult asthmatics, *Chest*, 113, 272-77
- Travers, A.H., Rowe, B.H., Barker, S., Jones A., dan Camargo C.A., 2002. The effectiveness of IV β -agonists in treating patients with acute asthma in the emergency department: a meta-analysis. *Chest*;122,1200-1207
- Varon, J. , Merik, P.E., 2003. Managing acute severe asthma: what therapies to try, and when; how to quickly asses and reduce airway obstruction, *J Respir Dis*, 24(2),67-76
- Wenzel, S.E., Szeffler, S.J., Leung, D.Y., Sloan, S.I., Rex, M.D., Martin, R.J., 1997. Bronchoscopic evaluation of severe asthma. *Am J Respir Crit Care Med*;156:737-743
- White, C.S., Cole, P., Lubetsky, H.W. dan Austin, J.H., 1991. Acute asthma: admission chest radiography in hospitalized adult patients. *Chest*;100,14-16
- Wilson, M.W., 2003. Aprospective evaluation of the 1-hour decision point for admission versus discharge in acute asthma, *Journal of Intensive Care Medicine*, 18,5, 275-85
- Zervas, E., Papatheodorou, Psathakis, Panagou, P., Georgatou, N., dan Loukides, S., 2003. Reduced intracellular Mg concentrations in patients with acute asthma, *Chest*, 123,113-8
- Zieverink, S.E., Harper, A.P., Holden, R.W., 1982. Emergency room radiography of asthma: an efficacy study. *Radiology*;145,27-29